

# The Trail Inventory of Bandon Marsh NWR

Bandon, OR



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Federal Highway Administration  
Central Federal Lands Highway Division  
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## **NOTE TO USERS OR READERS**

In this report, the reader may find a mix of dates associated with the condition assessment and photographs. Chapter 4 shows an updated condition assessment for each trail documented in this report. However there may be dates on the condition assessment pages that range from 2006 and 2007 to 2012. This occurred because the GPS dates of the trails originally rated in Cycle 1 were not updated when the cycle 3 assessment was done to in

2012. That GPS date is the basis for the Rating date in the report. Any new trail or section of trail that was collected and rated in Cycle 3 will have a rating date of 2012. While the rating dates may show a pre 2012 date, each trail was walked and its condition was assessed in 2012 during the Cycle 3 field season.

In Chapter 6 the reader may notice photographs with dates ranging from 2006 and 2007 to 2012. This occurs because the existing photographs from Cycle 1 were used if no significant or noticeable changes were seen in that location at the time of the Cycle 3 site visit.

The reader may also notice some of the feature photographs are used more than once. The practice of the same photograph being used for more than one feature was allowed during this cycle's data collection.

# Bandon Marsh NWR

## Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface Type	Excellent		Total
	Miles	%	Miles
Gravel	0.06	100%	0.06
Asphalt	0.11	100%	0.11
Concrete	0.05	100%	0.05
Boardwalk	0.02	100%	0.02
Total	0.24	100%	0.24

Trail Miles and Percentages by Trail Classification and Condition

Trail Classification	Excellent		Total
	Miles	%	Miles
TC4	0.06	100%	0.06
TC5	0.18	100%	0.18
Total	0.24	100%	0.24

\*Admin Roads are included in the inventory but are not rated for condition.

## Trail Features

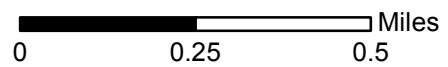
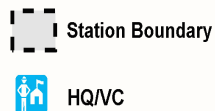
Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T500	Max Grade- %	2	No	0.00	
T500	Trailhead	1	No	0.00	BAMA_C3_0468
T500	Step: Log -each	5	No	0.02	
T500	Sign	1	No	0.02	BAMA_C3_0470
T500	Sign	1	No	0.02	BAMA_C3_0469
T500	Lookout/Ob Deck	1	No	0.02	
T500	Bench	1	No	0.02	
T501	Trailhead	1	No	0.00	BAMA_C3_0471
T501	Other	1	No	0.04	
T501	Step: Log -each	12	No	0.04	
T501	Begin Section	1	No	0.05	BAMA_C3_0478
T501	Sign	1	No	0.08	BAMA_C3_0475
T501	Sign	1	No	0.08	BAMA_C3_0476
T501	Begin Section	1	No	0.08	BAMA_C3_0480
T501	Max Grade- %	9	No	0.08	
T501	Sign	1	No	0.08	BAMA_C3_0474
T501	Bench	2	No	0.08	
T501	Sign	1	No	0.08	BAMA_C3_0473
T501	Lookout/Ob Deck	1	No	0.08	
T501	Sign	1	No	0.08	BAMA_C3_0477
T501	Begin Section	1	No	0.16	BAMA_C3_0481

sf - square feet

lf - linear feet

cf - cubic feet

# Bandon Marsh NWR Trail Location Map



## Trails ID

**Station Name:** Bandon Marsh NWR

**Org Code:** 13596

Trail Number	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T500	Boardwalk Trail	Boardwalk	N/A	0.02	From Bandon Marsh Overlook Parking (Rte 900) to Observation point
T501	Ni-les'tun Unit Overlook trail	Asphalt	10004535	0.11	From HQ building to the end of trail
T501	Ni-les'tun Unit Overlook trail	Concrete	10004535	0.05	From HQ building to the end of trail
T501	Ni-les'tun Unit Overlook trail	Gravel	10004535	0.06	From HQ building to the end of trail

## CHANGES TO THE FISH AND WILDLIFE SERVICE TRAIL INVENTORY REPORT

### Bandon Marsh NWR

#### Trails added to previous inventory:

Trail #	Trail Name	Reason for Addition
T501	Ni-les'tun Unit Overlook trail	new trail

#### Trails removed from previous inventory:

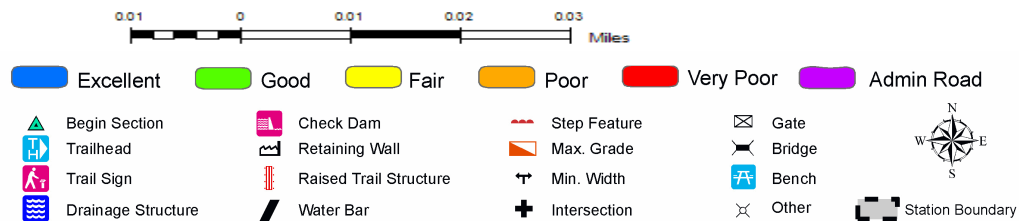
Trail #	Trail Name	Reason for Removal
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#### Trails modified from previous inventory:

Trail #	Trail Name	Type of Modification	Description of Modification
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#### Comments:

## TRAIL CONDITION



**Trail Name:** Boardwalk Trail  
**Trail Number:** T500

**Refuge Name:** Bandon Marsh NWR  
**Region:** 1

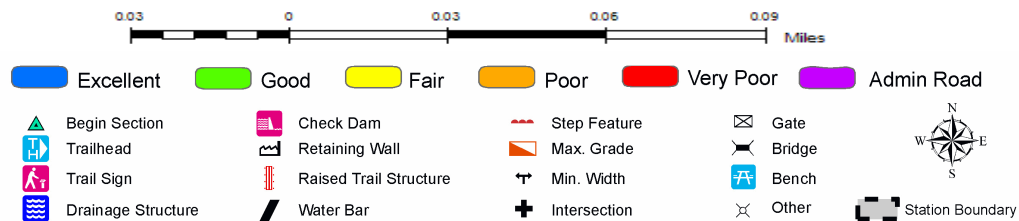
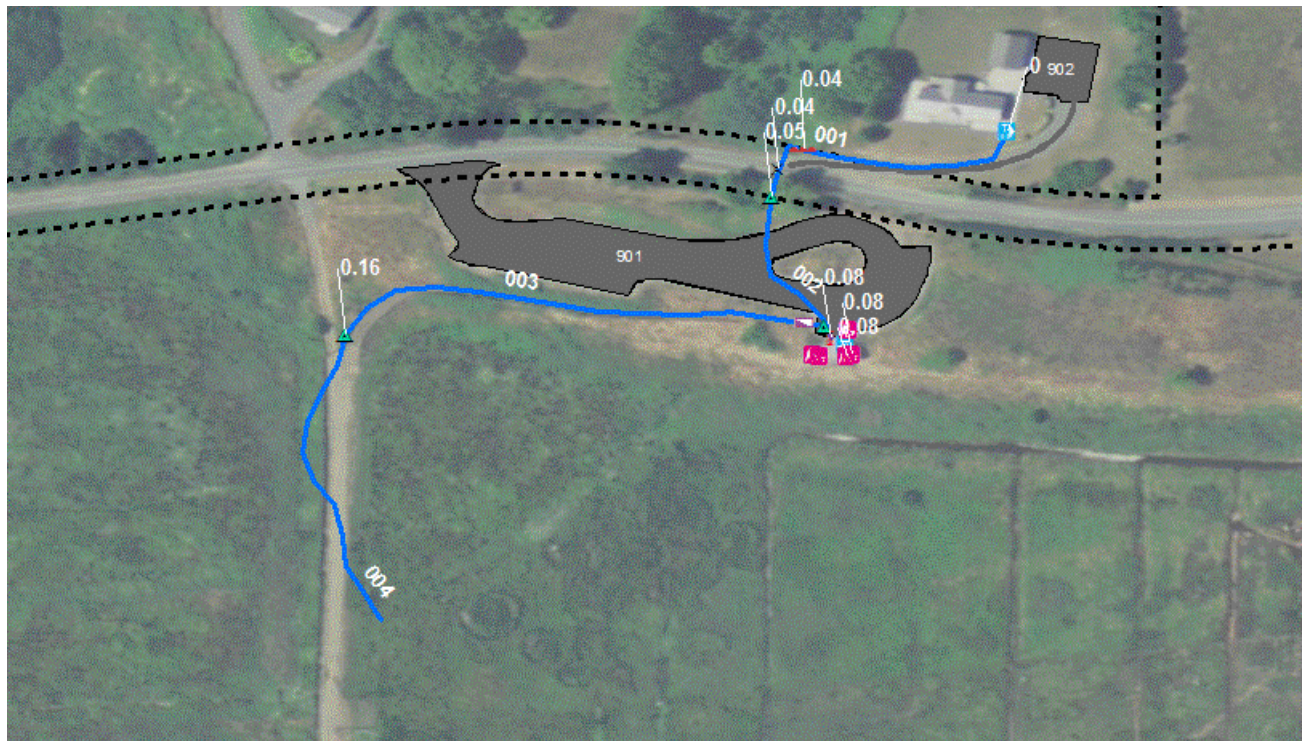
**Total Length:** 0.02 Miles

Section Number	001
Section Length (miles)	0.02
SAMMS Number	N/A
Rating Date	06/08/2007
<b>Trail Section Information</b>	
Trail Class	TC5
Surface Type	Boardwalk
Surface Firmness	Hard
Width (inches)	60
Average Grade (%)	0.2
Average X-slope (%)	0.30
<b>Trail Condition Information</b>	
Deferred Maintenance	
CRV	\$14,696
FCI	0.00
Condition	Excellent

### Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$14,696	0.00	Excellent

## TRAIL CONDITION



**Trail Name:** Ni-Ies'tun Unit Overlook trail

**Refuge Name:** Bandon Marsh NWR

**Trail Number:** T501

**Region:** 1

**Total Length:** 0.22 Miles

Section Number	001	002	003	004
Section Length (miles)	0.05	0.03	0.08	0.06
SAMMS Number	10004535	10004535	10004535	10004535
Rating Date	08/15/2012	08/15/2012	08/15/2012	08/15/2012
<b>Trail Section Information</b>				
Trail Class	TC5	TC5	TC5	TC4
Surface Type	Concrete	Asphalt	Asphalt	Gravel
Surface Firmness	Paved	Paved	Paved	Firm
Width (inches)	75	70	100	75
Average Grade (%)	5.6	5.6	5.6	5.6
Average X-slope (%)	3.70	3.70	3.70	3.70
<b>Trail Condition Information</b>				
Deferred Maintenance				
CRV	\$13,299	\$6,655	\$25,351	\$11,120
FCI	0.00	0.00	0.00	0.00
Condition	Excellent	Excellent	Excellent	Excellent

### Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$56,424	0.00	Excellent

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## TRAIL DEFICIENCY

No Deficiencies

## PHOTOGRAPHIC SHEET

TRAIL NUMBER: T500  
STATION: Bandon Marsh NWR  
DATE: 06/08/2007



Photo # BAMA\_C3\_0468 - MP 0.00 - Trailhead

TRAIL NUMBER: T500  
STATION: Bandon Marsh NWR  
DATE: 08/15/2012



Photo # BAMA\_C3\_0470 - MP 0.02 - Sign

## PHOTOGRAPHIC SHEET

TRAIL NUMBER: T500  
STATION: Bandon Marsh NWR  
DATE: 08/15/2012



Photo # BAMA\_C3\_0469 - MP 0.02 - Sign

TRAIL NUMBER: T501  
STATION: Bandon Marsh NWR  
DATE: 08/15/2012



Photo # BAMA\_C3\_0471 - MP 0.00 - Trailhead

## PHOTOGRAPHIC SHEET

TRAIL NUMBER: T501  
STATION: Bandon Marsh NWR  
DATE: 08/15/2012



Photo # BAMA\_C3\_0478 - MP 0.05 - Begin Section

TRAIL NUMBER: T501  
STATION: Bandon Marsh NWR  
DATE: 08/15/2012



Photo # BAMA\_C3\_0473 - MP 0.08 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: T501  
STATION: Bandon Marsh NWR  
DATE: 08/15/2012



Photo # BAMA\_C3\_0474 - MP 0.08 - Sign

TRAIL NUMBER: T501  
STATION: Bandon Marsh NWR  
DATE: 08/15/2012



Photo # BAMA\_C3\_0475 - MP 0.08 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: T501  
STATION: Bandon Marsh NWR  
DATE: 08/15/2012



Photo # BAMA\_C3\_0476 - MP 0.08 - Sign

TRAIL NUMBER: T501  
STATION: Bandon Marsh NWR  
DATE: 08/15/2012



Photo # BAMA\_C3\_0477 - MP 0.08 - Sign

## PHOTOGRAPHIC SHEET

TRAIL NUMBER: T501  
STATION: Bandon Marsh NWR  
DATE: 08/15/2012



Photo # BAMA\_C3\_0480 - MP 0.08 - Begin Section

TRAIL NUMBER: T501  
STATION: Bandon Marsh NWR  
DATE: 08/15/2012



Photo # BAMA\_C3\_0481 - MP 0.16 - Begin Section

# PHOTOGRAPHIC SHEET

## **A NOTE TO USERS OR READERS**

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## Glossary of Terms and Abbreviations

<b>Acc Info</b>	Accessibility information available at trailhead.
<b>Action</b>	Action required to correct deficiency.
<b>Admin Road</b>	Administration Road. Admin Roads signed and advertised as trails are included in the trail inventory but a condition assessment is NOT done.
<b>Alt SAMMS</b>	SAMMS number of Alternate Facility Type.
<b>Alt Type</b>	Alternate Facility Type. Trail lies on a feature such as a levee, dam, administrative road or bridge, which has a separate SAMMS number.
<b>AvgGrade</b>	The average grade of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.
<b>AvgSlope</b>	The average cross-slope of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.
<b>Check Dam</b>	A small dam constructed across a drainage ditch, swale, or channel to lower the speed of concentrated flows.
<b>Condition</b>	Subjective rating of trail based on Facility Condition Index (FCI): FCI $\leq$ .01 = Excellent FCI .02 - .05 = Good FCI .06 - .10 = Fair FCI .11 - .20 = Poor FCI $>$ .20 = Failed
<b>Crib Wall</b>	Retaining wall.
<b>Current Replacement Value (CRV)</b>	The value of an asset determined by the estimated cost of replacing it.
<b>Def type</b>	Deficiency Type: Trail Structure, Drainage, Erosion, Obstacle, Trail Location, Other.
<b>Deferred Maintenance (DM)</b>	Maintenance that was not performed when scheduled.

<b>Elem ID</b>	Unique identifier for each trail section: Org Code-Trail Number-Section Number.
<b>Facility Condition Index (FCI)</b>	DM/CRV
<b>Grouped Features</b>	Grouped features include non-unique signs (mileposts, interpretive signs, species identification, etc.), water bars, check dams, steps, drain and drainage dips. For any given grouped feature, a GPS point and photo are taken for the first occurrence only and the total number of features in the group are entered into the “quantity” field of the data dictionary.
<b>Info Type</b>	Type of accessibility information available at trailhead: brochure, sign or other.
<b>Item</b>	Item on which the “Action” (see above) will be performed.
<b>Manage_Use</b>	Managed use of the trail: HIKE, BIKE, NSPC (non-specified), PACK, POR (portage), SNOWSHOE, XSKI (cross-country ski), OTHER.
<b>MP</b>	Distance of a trail feature or deficiency from the Trailhead.
<b>Puncheon</b>	Log footbridge used in area of poor drainage.
<b>Raised Trail Structure</b>	Boardwalk, Turnpike, Puncheon.
<b>T Class</b>	Trail Class: I-V (see Appendix ? for trail class descriptions).
<b>Tr Desig</b>	Trail Designation: Standard (Std), National Historic Trail (NHT), National Recreation Trail (NRT), National Scenic Trail (NST).
<b>Turnpike</b>	Trail tread elevated with dirt, rock or other aggregate from parallel side ditches and held in place by logs.